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FOUR-PHASE DUAL PUMPING CIRCUIT

Appl. No. : 10/707,786
Applicant(s) : Hong-chin Lin,
5 Ming-Chih Hsieh,
Jain-Hao Lu,
Chien-Hung Ho
Filed : January 12, 2004
TC/A.U. : 2816
10 Examiner : Cunningham, Terry D
Docket No. : EMEP0062USA
Customer No. : 27765
Confirmation No. : 1785

15 Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

Subject: Response to the Office action mailed December 27, 2004

20

INTRODUCTORY COMMENTS

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

25 **Remarks/Arguments** begin on page 15 of this paper.



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**North America
Intellectual Property Corporation**

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From : Winston Hsu, Registration No. 41,526

Serial No.: 10/707,786

Attorney Docket No.: EMEP0062USA

Subject: Response to the Office Action Mailed on 12/27/2004

Total Pages: 21 pages (including cover page)

Winston Hsu 3/23/2005

EMEP0062USA0_A2_1

PTO/SB/97 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

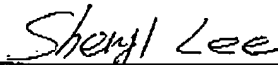
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Application Number: 10/707,786

(1) Transmittal Form

1 PAGE

(2) Fee Transmittal Form

1 PAGE

(3) Response to the Office action

17 PAGES

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| | | | |
|---|----------------------|------------------------|-------------|
| TRANSMITTAL FORM (to be used for all correspondence after initial filing) | Application Number | 10/707,786 | |
| | Filing Date | 01/12/2004 | |
| | First Named Inventor | Hong-Chin Lin | |
| | Art Unit | 2816 | |
| | Examiner Name | Cunningham, Terry D | |
| Total Number of Pages in This Submission | 19 | Attorney Docket Number | EMEP0062USA |

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| <input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below): |
| Remarks | | |
| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | | |
| Firm Name | North America Intellectual Property Corporation | |
| Signature | <i>Winston Hsu</i> | |
| Printed name | Winston Hsu | |
| Date | 03/23/2005 | Reg. No. 41,526 |

| CERTIFICATE OF TRANSMISSION/MAILING | |
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Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL For FY 2005

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 0.00

Complete if Known

| | |
|----------------------|---------------------|
| Application Number | 10/707,786 |
| Filing Date | 01/12/2004 |
| First Named Inventor | Hong-Chin Lin |
| Examiner Name | Cunningham, Terry D |
| Art Unit | 2816 |
| Attorney Docket No. | EMEP0062USA |

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FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

| Application Type | FILING FEES | | SEARCH FEES | | EXAMINATION FEES | | Fees Paid (\$) |
|------------------|-------------|-----------------------|-------------|-----------------------|------------------|-----------------------|----------------|
| | Fee (\$) | Small Entity Fee (\$) | Fee (\$) | Small Entity Fee (\$) | Fee (\$) | Small Entity Fee (\$) | |
| Utility | 300 | 150 | 500 | 250 | 200 | 100 | |
| Design | 200 | 100 | 100 | 50 | 130 | 65 | |
| Plant | 200 | 100 | 300 | 150 | 160 | 80 | |
| Reissue | 300 | 150 | 500 | 250 | 600 | 300 | |
| Provisional | 200 | 100 | 0 | 0 | 0 | 0 | |

2. EXCESS CLAIM FEES

| Fee Description | Fee (\$) | Small Entity Fee (\$) |
|---|----------|-----------------------|
| Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent | 50 | 25 |
| Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent | 200 | 100 |
| Multiple dependent claims | 360 | 180 |

| | | | | | | |
|---|---------------------|-----------------|----------------------|----------------------------------|-----------------|----------------------|
| Total Claims | Extra Claims | Fee (\$) | Fee Paid (\$) | Multiple Dependent Claims | Fee (\$) | Fee Paid (\$) |
| - 20 or HP = | x | = | | | | |
| HP = highest number of total claims paid for, if greater than 20 | | | | | | |
| Indep. Claims | Extra Claims | Fee (\$) | Fee Paid (\$) | | | |
| - 3 or HP = | x | = | | | | |
| HP = highest number of independent claims paid for, if greater than 3 | | | | | | |

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

| | | | | |
|---------------------|---------------------|---|-----------------|----------------------|
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof | Fee (\$) | Fee Paid (\$) |
| - 100 = | / 50 = | (round up to a whole number) x | = | |

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other: _____

SUBMITTED BY

| | | | | | |
|-------------------|--------------------|-----------------------------------|------------|-----------|--------------|
| Signature | <i>Winston Hsu</i> | Registration No. (Attorney/Agent) | 41,526 | Telephone | 302-729-1562 |
| Name (Print/Type) | Winston Hsu | Date | 03/23/2005 | | |

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